

RAYSKIY, P.I., kand. tekhn. nauk

Some regularities of the distribution of components in magnetite
ores of the Kondoma group deposits. Izv. vys. ucheb. zav.; gor .
zhur. no.8:6-9 '64 (MIRA 18:1)

1. Kemerovskiy gornyy institut. Rekomendovana kafedroy markshey-
derskogo dela.

RAYSKIY, P.I., assistant

Correlation between components of manganese ores in Gornaya Shoriya deposits. Izv. vys. ucheb. zav.; gor. zhur. no.9:55-63 '59.

(MIRA 14:6)

1. Tomskiy ordena Trudovogo Krasnogo Znameni politekhnicheskiiy institut imeni S. M. Kirova. Rekomendovana nauchnym seminarom kafedr marksheyderskogo dela i geodezii.

(Gornaya Shoriya--Manganese ores)

RAYSKIY, P.I., starshiy prepodavatel'

Obtaining a constant composition of iron ores in the Gornaya Shoriya deposits. Izv. vys. ucheb. zav.; gor. zhur. no. 447-51
'61. (MIRA 14:6)

1. Tömskiy ordena Trudovogo Krasnogo Znameni politekhnicheskoy institut imeni S.M.Kirova. Rekomendovana kafedroy marksheyderskogo dela i geodezii Tömskogo politekhnicheskogo instituta.
(Gornaya Shoriya--Iron mines and mining)

RAYSKIY, P.I., inzh.

Inaccuracies in the calculation of ore and metal mined in
iron mines of Gornaya Shoriya. Izv.vys.ucheb.zav.; gor.
zhur. no.11:48-51 '58. (MIRA 12:8)

1. Tomskiy politekhnicheskii institut.
(Gornaya Shoriya--Iron mines and mining--Accounting)

RAYCHIK, P. I., Cand Tech Sci -- (diss) "Investigation of the inter-relationships between separate components in iron ores from the Gornaya Shorna deposits." Tomsk, 1960. 16 pp with graphs; (Ministry of Higher and Secondary Specialist Education RSFSR, Moscow Mining Inst im I. V. Stalin); 150 copies; price not given; (KL, 51-60, 119)

RAYSKIY, P.I., inzh.

Using the mathematical statistics method for the analysis of
qualitative losses in iron ores. Izv.vys.ucheb.zav.: gor.zhur.
no.5:39-44 '59. (MIRA 13:5)

1. Tomskiy ordena Trudovogo Krasnogo Znameni politekhnicheskoy
institut imeni S.M.Kirova. Rekomendovana kafedroy markshey-
derskogo dela.

(Ores---Sampling and estimation)
(Iron ores)

RAYSKIY, P.I., inzh.

Correlation between the volume weight of magnetite ores and the
iron content and volume weight of the rock. Izv. vys. ucheb. zav.;
gor. zhur. no.12:33-40 '58. (MIRA 12:8)

1. Tomskiy politekhnicheskii institut.
(Gornaya Shoriya--Iron ores)
(Ores---Sampling and estimation)

MITKALINYY, V.I., kand.tekhn.nauk; MOLCHANOV, N.G., kand.tekhn.nauk;
Prinimali uchastiye: NEVEDOMSKAYA, I.N.; SHKOL'NIKOV, Yu.M.;
VOLVENKIN, V.K.; RAYSKIY, R.N.; BELEN'KIY, A.M.; SKOBEL'TSIN,
S.S.; FEY GZHU-MIN; CHAHAO TIN'-YUAN'

Improvement of bell-type furnaces for bright annealing. Stal'
22 no.4:365-367 Ap '62. (MIRA 15:5)

1. Moskovskiy institut stali.
(Furnaces, Heat-treating) (Annealing of metals)

ZHUKOVSKIY, K.N., inzhener; NOVICHKOV, M.D., inzhener; RAYSKIY, S.D., inzhener.

Inclined or vertical paning of skylights. Stroi.prom. 35 no.2:41
F '57. (MIRA 10:3)

1. Giproavtoprom.
(Skylights)

La

A 53
1

••446. Quantitative Spectroscopic Determination of Si and Cr in Malleable Cast Iron. S. Mandelstam, A. Ratsky, and W. Zehden. *Techn. Phys., U.S.S.R.* 2, 4, pp. 331-335, 1954. *In German.*—A condensed spark is used as source and a visual spectroscope with photometric eyepiece is described, comparison of intensity of selected lines with neighbouring iron lines being made. The range of content is 0.4% — 2% for Si and 0.02% — 0.1% for Cr. A determination of both elements takes 12–15 mins. and the accuracy is about 5% to 10%, i.e., 0.01% of the content. The results of continuous use under industrial conditions are described. F. S.

AS 446. METALLURGICAL LITERATURE CLASSIFICATION

30904. RAYSELY, S. M.

O deyatel'nosti starshoy meditsinskoy sestry otdeleniy ob'edinennoy
bol'nitsy. Med. sestra, 1949, No. 9, s. 19-21.

11

•Mechanism of Electrical Erosion of a Metal. S. I. Mandel'shtam and S. M. Ratsky (*Izv. Akad. Nauk S.S.R.*, 1949, [Fiz.] 13, 549-565; *C. Ab.*, 1950, 44, 3379). [In Russian] Erosion of electrodes, especially in a condensed spark discharge, is considered to be a secondary process and attributed to the mechanical action of metal vapour jets ("torches") formed by the discharge of high vol., mostly from the cathode, which erode the anode. At low vol. the process is reversed. Tests were made with a spark discharge between steel roller bearings in air. The spark energy was independent of the size of the gap. At small gaps the erosion was less and stronger on the anode than on the cathode; at bigger gaps the erosion was less and stronger on the cathode. A conical cathode with a sharp point caused higher destruction of the anode than a round cathode. Electrodes of iron, aluminium, magnesium, and copper were investigated; copper caused the highest destruction of the anode. A quartz plate introduced between the electrodes to shield the anode without disturbing the discharge suppressed erosion on the anode. In the spreading of the "torches", one or both electrodes were eroded. In the conditions of a well regulated spark discharge, the erosion of the anode is the maximum speed of at least 2 mm/sec. has been observed. The erosion in a vacuum is less, probably because of a change in the mechanism of the process.

Physics Inst in Leningrad, AS USSR

RAYSKIY, S.M.

4

Zeldel, A. N., Prokofyev, V. K., and Ralskii, S. M.:
Tablitsy spektral'nykh lini (Tables of Spectral Lines).
Moscow: State Pub. House Tech. and Theoretical Lit.
1952.

3

Smu
Sgt

RAYSKIY, S.M.

164. Properties of an optical system incorporating a zone diaphragm. S. M. RAYSKIY (RAYSKIY). *Zh. eksper. teor. fiz.*, 25, No. 1(7) 93-7 (1953) In Russian.

It was shown in a previous paper [*Uspekhi fizicheskikh Nauk*, 47, 515 (1952)] that optical systems consisting of a lens (or mirror) and a zone plate have 3 bright foci, viz. one principal and two zone foci. This enables a sharp focusing of the image of 3 parts of an object (e.g. its front, middle and rear) to be effected in the plane of observation. By using a suitable zone plate it is possible to treble the sharpness of the image. Some peculiarities of the image observed and the conditions under which it can be obtained are described.

F. LACHMAN

1352 (English, German, and French.) Tables of Spectrum
Lines. A. N. Sidel, V. K. Prokofiev, and S. M. Raiki. 550 p.
1953. VEB Verlag Technik, Berlin. (QC453 Z14s)
A trilingual reference work on spectrum lines for the use of
spectrochemical laboratories.

3

58

BASILOVA, R.N., ref.; RAYSKIY, S.M.

Design of radioactive isotope laboratories. (Data published in
foreign literature) Zav.lav.21 no.8:1005-1010 '55. (MLRA 8:11)
(Radioisotopes) (Physical laboratories)

RAYSKIY, S

M

N/5
613.73
.R2

FIZICHESKIYE OSNOVY METODA RADIO-AKTIVNYKH INDIKATOROV (PHYSICAL
BASES OF RADIOACTIVE INDICATOR PROCEDURES, BY) S. M. RAYSKIY I
V. F.,, 1956.

335 P.,,

... ..

RAYSKIY, S.M., nauchnyy sotrudnik; SMIRNOV, V.F., nauchnyy sotrudnik;
SHVARTSMAN, L.A., nauchnyy sotrudnik; MALKIN, V.I., nauchnyy
sotrudnik.

"Radioisotopes in machine-building." P.E. D'iachenko, Reviewed
by S.M. Raiskii and others. Zav.lab. 22 no.6:758-759 '56. (MIRA 9:8)

1. Fizicheskiy institut Akademii nauk SSSR (for Rayskiy, Smirnov);
2. Tsentral'nyy nauchno-issledovatel'skiy institut chernoy metal-
lurgii.
(Radioisotopes--Industrial applications) (D'iachenko, P.E.)

RAYSKIY, S.M.

Spectrum analysis. Zhur. anal. khim. 12 no.5:618-622 S-0 '57.
(Spectrum analysis) (MIRA 10:11)

RAYSKIY, S.M.

ZHUKHOVITSKIY, A.A., professor, doktor tekhnicheskikh nauk.

"Physical principles in the method of radioactive tracers" by
S.M. Raiskii, V.F. Smirnov. Reviewed by A.A. Zhukhovitskii. Zav.
lab. 23 no.5:639-640 '57. (MLRA 10:8)
(Radioactive tracers) (Raiskii, S.M.) (Smirnov, V.F.)

RAYSKIY, S.M.; SMIRNOV, V.F.; ZHABOTINSKIY, Ye.Ye., redaktor; TUMARKINA,
N.A., tekhnicheskij redaktor

[Physical principles of a method of radioactive indicators; a
practical manual] Fizicheskie osnovy metoda radioaktivnykh indikato-
rov; rukovodstvo k prakticheskim rabotam. Moskva, Gos. izd-vo
tekhniko-teoret. lit-ry, 1958. 335 p. (MLRA 9:9)
(Radioactivity)

L 45773-66 EWT(1)/EWT(m)/T/EWP(t)/ETI IJP(c) DS/JD
ACC NR: AP6027903 SOURCE CODE: UR/0368/66/005/001/0118/0118

AUTHOR: Rayskiy, S. M.

ORG: none

TITLE: A simple method for the separation of the channel and the flare of a spark discharge

SOURCE: Zhurnal prikladnoy spektroskopii, v. 5, no. 1, 1966, 118

TOPIC TAGS: electric discharge, *ELECTRODE REACTION*

ABSTRACT: The author describes the shape of electrodes selected for the proper separation of the channel and flare without placing an insulator in the discharge region. The shape of the electrode (Fig. 1) creates conditions at which breakdown occurs not along the short distance between the rounded segments of the electrodes, but between the protruding ridges, whose points are directed toward one side. The flares off the spikes of the electrodes are then propagated almost parallel to each other; moreover, the angle between the flares may be changed by varying the point angle of the electrode. Copper electrodes were used in the experiments and the capacitance of the condenser in the spark circuit was 1 μ f and the voltage, 10 kv. Under these conditions the copper vapor flares propagated 10—15 mm away from the electrodes. The method proposed in particular

Card 1/2

UDC: 537.523.4

L 45773-66

ACC NR: AP6027903

creates conditions for studying the spectrum of electrode pairs emitted by individual sectors of the flare. The method is also useful for the study of the erosion action of flares. Orig. art. has: 1 figure. [26]

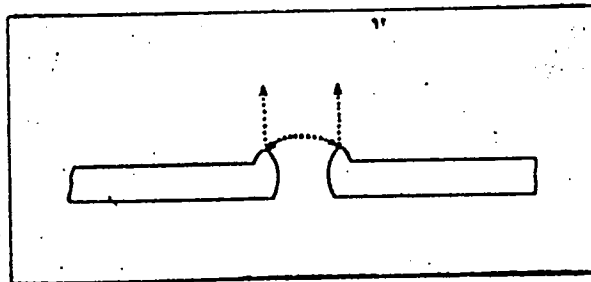


Figure 1. Shape of the electrodes.

SUB CODE: 20/ SUBM DATE: 13Oct65/ ATD PRESS: 5084

Card 2/2

RAYSKIY, S. M.

PA 164T64

Jul 50

USSR/Physics - Light
New Techniques

"Method for Obtaining Short-Duration Light
Pulses," S. M. Rayskiy, Ye. Ya. Pumper, Phys
Inst imeni Lebedev, Acad Sci USSR

"Zhur Tekh Fiz" Vol XX, No 7, pp 822-824

Describes simple mechanical apparatus for obtain-
ing periodic groups of light impulses. Duration
of individual pulse can be brought to 1/10 micro-
sec. Time between two pulses is of same order.
Pulses are recorded by cathode oscillograph.
Submitted 25 Mar 49.

164T64

FDD

IA 159T88

USSR/Physics - Optics

Apr 50

"One Way of Accomplishing the Shadow Method," S.M. Rayskiy, Phys Inst Imen Lebedev, Acad Sci USSR, 4 pp

"Zhur Eksper 1 Teoret Fiz" Vol XX, No 4

Describes simple way of carrying out shadow method, in which form allowing for distortions of image due to defects of optical system is attached to diaphragm covering source image. Method also permits one to compensate for distortions arising from auxiliary containers placed in the beam. In optical system for increasing light strength of arrangement,

FDD

159T88

USSR/Physics - Optics (Contd)

Apr 50

In place of one aperture, a grating is employed consisting of a large number of apertures. Gives results of experimental tests carried out on this method. Submitted 20 May 49.

FDD

159T88

RAYSKIY, S. M.

RAYSKIY, S. M.

Tablitsy spektral'nykh liniy (Tables of spectral lines, by) ... N. Zaidel, V. K. Prokof'ev, S. M. Rayskiy. Moskva, Gos. Izd-vo tekhniko teoret. lit-ry, 1952. 560 p. tables.

N/5
613.493
.Z2

WATSKY, F. W.

USSR/Physics - Photographic Sensitivity Jun 52

"Relation Between the Sensitivity of a Photographic Layer to Short-Duration Illumination and Its Sensitivity to Electrons," A. L. Kartuzhanskiy

"Zhur Eksper i Teoret Fiz" Vol XXII, No 6, pp 768-774

Compares the sensitivity of a number of photographic layers to electrons and to intense illumination of short duration-time. Parallelism of these 2 properties is confirmed and in full agreement with theoretical concepts. Indebted to P. V. Meyklar. Received 28 Sep 51.

217T99

RAYSKIY, S.M.

Properties of optical systems containing a zonal diaphragm. Zhur.
eksp. 1 teor.fiz. 25 no.1:95-97 Je '53. (MLRA 7:10)
(Optical instruments)

USSR/Physics - Optics

Card 1/1 Pub. 43 - 50/97

Authors : Rayskiy, S. M., and Khalitov, R. Sh.

Title : Photometric properties of NIKFI spectral plates

Periodical : Izv. AN SSSR. Ser. fiz. 18/2, page 274, Mar-Apr 1954

Abstract : The relation existing between the contrast factor and the wave length of the illuminating light, width of emulsion, field of underexposure, depth of emulsion, homogeneity and relative sensitivity to ultraviolet was investigated for three types of NIKFI (Scientific Research Institute of Motion Pictures) spectral plates. The results obtained are briefly described.

Institution : Academy of Sciences USSR, The P. N. Lebedev Physics Institute

Submitted :

REYSKY, S.M.
4301

19
4
1-RML
PHYSICAL BASIS FOR THE METHOD USING RADIO-
ACTIVE ISOTOPES. HANDBOOK FOR PRACTICAL
WORK. S. M. Reyski and V. F. Smirnov. State Pub-
lishers of Technical-Theoretical Literature. Moscow,
1966. 335p.

The book is designed for the use of engineers, chemists,
biologists, and other personnel not trained in nuclear
physics, to aid them in their work with radioactive indi-
cators. The handbook explains the physical basis of the
method, describes the apparatus for recording radiations,
analyzes conditions under which reliable measurements
can be obtained, and cites the rules which must be obeyed
in work using radioactive isotopes. (R.V.J.)
RML 1/1

RAYSKY, S.M.

Distr: 4EJ
Spectroscopic analysis, S. M. Ryskiy, Zbur. Anal. 11
X-ray, 12, 618-22 (1957) - A brief review. M. Hosh.

DM

2
1

ZAYDEL', A.N.; PROKOF'YEV, V.K.; RAYSKIY, S.M.; SHREYDER, Ye.Ya.;
GUROV, K.P., red.; KUZNETSOVA, Ye.B., red.; BRUDNO, K.F.,
tekhn. red.

[Tables of spectral lines]Tablitsy spektral'nykh linii. Izd.2.,
ispr. i dop. Moskva, Fizmatgiz, 1962. 607 p. (MIRA 16:1)
(Spectrum analysis--Tables, etc.)

RAYSKIY, S.M.

New book on punched cards and their applications. Zav.lab. 29
no.5:639 '63. (MIRA 16:5)

(Punched card systems)

RUSSIAN, ...
USSR/Medicine - Diseases

Sep 48

Medicine - Literature, Medical

"Review of Dr. V. I. Kristman's Book, 'Internal Diseases,'" S. M. Rayskiy, 1 p

"Med Sestra" No 9

Book is used as textbook for training nurses. It is superior in many ways to other books on the subject. However, it suffers from "academic objectivism," i.e., it does not lay sufficient stress on Soviet achievements. It should be revised so that the next edition may serve as a means of ideological education of Soviet youth and thus nurture the growth of a spirit of patriotic pride.

FDB

16/49789

PROKOF'YEV, Vladimir Nikolayevich, prof., doktor tekhn.nauk; RAYSKIY,
S.N., kand.tekhn.nauk, red.; KONOVALOVA, Ye.K., tekhn.red.

[Hydraulic transmissions of wheeled and crawler motor vehicles]
Gidravlicheskie peredachi kolesnykh i gusenichnykh mashin. Moskva,
Voen.izd-vo M-va obor.SSSR, 1960. 299 p. (MIRA 13:9)
(Motor vehicles--Transmission devices)

RAYSMY, V.A.

Renal colic. Fel'd. i akush. 28 no.c:35-38 Ja'63. (MIA 16:8)

1. Iz Moskovskoy gorodskoy bol'nitsy no.53.
(CALCULI, URINARY)

RAYSKIY, V.A. (Moskva)

Clinical aspects and diagnosis of acute leukemia. Fel'd. i
akush. 27 no.12:25-30 D'62. (MIRA 16:7)
(LEUKEMIA)

RAYSKIY, V.A.

Disorders of the taste reception of the tongue in some blood diseases. Teor. i prak.stom. no.c:121-129 '63.

(MIRA 18:3)

1. Iz kafedry propedevtiki vnutrennikh bolezney (zav. - prof. N.A.Al'bov [deceased]) i kafedry normal'noy fiziologii (zav. - prof. P.G.Snyakin) Moskovskogo meditsinskogo stomatologicheskogo Instituta.

OSIPOV, A.A.; RAYSKIY, V.B.

Support for mounting working models and equipment. Khim. v shkole
16 no.2: 58-59 Mr-Apr '61. (MIRA 14:6)

1. Pedagogicheskiy institut, g. Chelyabinsk.
(Chemical laboratories--Equipment and supplies)

RAYSKIY, V.V., inzh.

Investigating the distribution of strains in overlying layers by
photoelasticity. [Trudy] VNIMI no.40:94-111 '61. (MIRA 14:12)
(Rock pressure--Photoelasticity)

RAYSKIY, Ye.Ye., inzh.

Making thin-sheet bulkheads and recesses. Sudostroenie
26 no.6:58-59 Je '60. (MIRA 13:7)
(Bulkheads (Naval architecture))
(Shipfitting)

RAYSKIY, Ye.Ye.

Manufacture of carbon dioxide for welding from boiler flue gases.
Avtom. svar. 15 no.8:71-75 Ag '62. (MIRA 15:7)

1. Nikolayevskiy ordena Lenina zavod imeni I.I. Nosenko.
(Carbon dioxide)
(Welding--Equipment and supplies)

RAYSKYY, Ye.Ye., inzh.

Centralized supply of welding departments in carbon
dioxide through a piping system. Svar. proizv. no.1:32-33
Ja '64. (MIRA 17:1)

1. Nikolayevskiy zavod im. I.I. Nosenko.

RAYSKIY, Ye.Ye.

Welding in carbon dioxide of large trawler assembly butt joints
on building slips. Avtom. svar. 17 no.6:78-82 Je '62 (MIRA 18:1)

1. Nikolayevskiy zavod imeni I.I. Nosenko.

Rayski, Y

POLAND/Theoretical Physics

B-6

Abs Jour : Referat Zhur - Fizika, No 5, 1957, No 10920

Author : Rayski, Y.

Inst : N. Copernicus University, Torun, Poland.

Title : A Discussion on Bilocality.

Orig Pub : Acta phys. polon., 1956, 15, No 2, 89-109

Abstract : Various arguments are collected in favor of the bilocal formulation of the theory of non-localized fields (Referat Zhur Fizika, 1956, 21863). In the first part, it is undertaken to prove that knowledge of the experimental facts, already given by Newton in his "Principles of Mechanics" and "Treatise of Optics," is sufficient to permit, with the aid of modern mathematical methods, to reproduce by purely logical means the theory of relativity and of quantum mechanics, together with the quantum field theory in their

Card 1/3

POLAND/Theoretical Physics

B-6

Abs Jour : Referat Zhur - Fizika, No 5, 1957, No 10920

modern formulations. With this, it is proposed that it is possible, without experimental verification, to select from among the tremendous number of logical possibilities exactly those that correspond to physical reality. From the logical point of view, a criticism is raised against the modern state of the theory of relativity and quantum theory and their logical relationships with each other are studied. It is stated, that for further development of physical theory, of particular importance is the group of canonical transformations. Along with the known h-quantization $[x_\mu, i\hbar d_\nu] = i\hbar \delta_{\mu\nu}$, where $\delta_{\mu\nu}$ is the

displacement operator, the author introduces $\mathcal{L}$ -quantization, $[x_\mu, \mathcal{L}^2 d_\nu] = \mathcal{L}^2 \delta_{\mu\nu}$, where $\mathcal{L}$ is a new universal constant. $\mathcal{L}$ -quantization is considered as quantization of space-time in contradistinction with quantization

Card 2/3

B-6

POLAND/Theoretical Physics

Abs Jour : Referat Zhur - Fizika, No 5, 1957, No 10920

of mechanical models ($\hbar$ -quantization). The operators of the theory with $\mathbb{L}$ -quantization are represented by matrixes $\langle x' | A | x'' \rangle$. The bilocal field $\psi = \langle x' | \psi | x'' \rangle$ obeys the equations of motion $[\mathcal{L}_m^{\mu\nu}[\sigma_m^{\mu\nu}, \psi] =$

$$\hbar_m^2 \delta_{\sigma} \psi, \text{ where } 1^{\mu}_m \equiv x_m, 2^{\mu}_m \equiv 1^{\mu}_d.$$

These equations are generalizations of the Klein-Gordon equations $[2^{\mu}_m, [2^{\mu}_m \psi]] = \hbar_m^2 \delta_{\sigma} \psi$ and the locality conditions $[1^{\mu}_m, \psi] = 0$. A study is made

of the properties of the solutions of bilocal equations of motion. It is shown that the proper mass consists of the mechanical mass, due to the internal motion in the bilocal particle, and of the field mass. It is also shown that in the bilocal theory it is possible to obtain a spectrum of masses.

Card 3/3

CHERNY, V.G. and BUKHAY, Y.B., 1968

Distance-type measurement of the water level in a channel. 1968.
Izvestiya, No. 17-18 of '68.

(MIRA 18:8)

1. Topical literature: No. 1. Chelyabinsk.

YENTOV, V.M.; KALASHNIKOV, V.N.; RAYSKIY, Yu.D.

Vortex tube operating on natural gas. Gaz. prom. 9 no.4:34-39
'64. (MIRA 17:8)

24. 32, 1.

2. 04.1937, Etat sanitaire au cours de l'année
1936-37

"APPROVED FOR RELEASE: 06/15/2000

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APPROVED FOR RELEASE: 06/15/2000

CIA-RDP86-00513R001444420002-0"

RAYSTSYN, I.Z. (Chelyabinsk)

Device for demonstrating the dependence of the magnetic flux
created by a coil with a current on the number of ampere turns
per unit length of the coil. Fiz. v shkole 20 no.6:74-76 N-D '60.
(MIRA 14:2)

(Electric coils)

ARDASHNIKOV, S.N.; RAYT, M.L.

Changes in the bioelectric activity of the cerebral cortex in rabbits immediately following inhalation of radon and the application of radioactive bandages. Med. rad. 5 no.1:18-22 Ja '60. (MIRA 15:3)

1. Iz radiologicheskoy laboratorii (zav. - prof. Ye.S. Shchepot'yeva) Nauchno-issledovatel'skogo instituta kurortologii i fizioterapii.

(CEREBRAL CORTEX)
(RADON—PHYSIOLOGICAL EFFECT)
(RADIATION—PHYSIOLOGICAL EFFECT)

BOYEVA, Ye.M., kand. med. nauk; MAL'TSINA, V.S.; RAYT, M.L.;
FABRICHNAYA, V.A.; SHEBALKINA, T.P.

Experience in the use of acupuncture in vasomotor rhinitis.
Vest. oto-rin. 25 no.2:23-27 Mr-Apr '63. (MIRA 17:1)

1. Iz polikliniki po lecheniyu passtroystv slukha i rechi
i laboratorii reflektornoy terapii (nauchnyy rukovoditel' -
prof. G.N. Kassil') AMN SSSR, Moskva.

KASSIL', G.H.; BOYEVA, Ye.M.; VEYN, A.M.; KAMENETSKAYA, B.I.; MAL'TSINA, V.S.;
MEL'NIKOVA, Ye.M.; RAYT, M.L.

Acupuncture is a reflex method of treatment and its specific
characteristics. Vop. kur., fizioter. i lech. fiz. kul't.
28 no.5:415-419 S-O '63. (MIRA 17:9)

1. Iz laboratorii reflektornoy terapii AMN SSSR.

KASSIL', G.N.; GRIGORYEV, M.D.; SHPYBERG, G.L.; TAYLOR, I.L.;
RAYT, M.L.; SHAGAL, I.I.

Humoral mechanisms of reactions caused by the introduction
of carbocholine into cerebrospinal fluid. Dokl. AN SSSR
156 no. 4:9(4-267) 1964. (MIRA 17:6)

1. Predstavleno akademikom V.N. Chernikovam.

Q. ... R. ... F. ... G. ... H. ... I. ... J. ... K. ... L. ... M. ... N. ... O. ... P. ... Q. ... R. ... S. ... T. ... U. ... V. ... W. ... X. ... Y. ... Z. ...
R. ... S. ... T. ... U. ... V. ... W. ... X. ... Y. ... Z. ...

Analysis of neural, humoral and hormonal changes in some forms
of vigilance disorders. Vest. AMN SSSR 19 no.6:54-62 '64.

(MIRA 18.4)

1.

ARDASHNIKOV, S. N.; LEYTES, F. L.; RAYT, M. L.

Role of α -rays in the activity of radioactive bandages on the skin. Vest. dermat. i ven. 34 no.1:29-35 Ja '60. (MIRA 14:12)

1. Iz radiologicheskoy laboratorii (zav. - prof. Ye. S. Shchepot'yeva)
TSentral'nogo instituta kurortologii (dir. G. N. Pospelova).

(ALPHA RAYS—THERAPEUTIC USE)
(SKIN—DISEASES)

KHAZANOV, Anatoliy Mikhaylovich; RAYT, M.V., otv. red.; POLTAVSKAYA, S.V.,
red. izd-va; BERESLAVSKAYA, L.Sh., tekhn. red.

[The Somali Republic; a historical study] Somaliiskaia respublika;
istoricheskii ocherk. Moskva, Izd-vo vostochnoi lit-ry, 1961.
146 p. (MIRA 14:6)

(Somalia--History)

RAYT, Mariya Veniaminovna; TITOV, Yevgeniy Grigor'yevich; KOSTINSKIY,
D.N., red.; POPOVA, V.I., mladshiy red.; KOSHELEVA, S.M.,
tekhn.red.

[Ethiopia; the land and its people] Efiopiia; strana, liudi.
Moskva, Gos.izd-vo geogr.lit-ry, 1960. 90 p.

(MIRA 14:2)

(Ethiopia--Description and travel)

RAYT, T. [Wright, T.]

The dissenters' plans have fallen through. Sov. profsoiuzy
17 no.23:14 D '61. (MIRA 14:12)

1. Federal'nyy predsdatel' Industrial'nogo profsoyuza
prokatchikov, rabochikh sel'skokhozyaystvennogo mashinostroyeniya
i otopitel'nogo oborudovaniya Avstralii.
(Australia--Trade unions)

SOKOLOVSKIY, V.I., kand.tekhn.nauk, dotsent; LEVAYNEM, A.G., QDINTSOV, B.P.;
GORONKOV, Ye.S., inzh.; POSTNIKOV, V.A.; Prinimali uchastiye:
STASEVICH, P.K.; KASIMOV, V.V.; RAYT, Ya. F.

Two-groove cold rolling of pipes. Vest. mash. 41 no.6:50-52
Je '61. (MIRA 14:6)

(Rolling (Metalwork))

ACC NR: AP6017656 (N) SOURCE CODE: UR/0136/66/000/001/0075/0078

AUTHOR: Raytbarg, L. Kh; Vul'fovich, L. B.; Tomashchik, Ye. G.

ORG: none

TITLE: Deformation resistance of aluminum alloys under cold pressing conditions

SOURCE: Tsvetnyye metally, no. 1, 1966, 75-78

TOPIC TAGS: cold working, metal pressing, metal deformation, deformation rate, aluminum alloy / AD1 aluminum alloy, D1 aluminum alloy

ABSTRACT: The true yield strength S_y , which is affected by changes in temperature, degree of deformation (ϵ), and deformation rate (w), was studied in two typical aluminum alloys, AD1 (soft) and D1 (hard) under cold pressing conditions. In the AD1 alloy, the most pronounced increase in S_y is observed at $w = 0.5-3.0 \text{ sec}^{-1}$ (see Fig. 1). In the D1 alloy, the effect of a tenfold increase in deformation rate (from 0.5 to 5 sec^{-1}) is even greater than in AD1 (see Fig. 2). This is due to a greater evolution of heat during deformation, and to the resultant heating up of the specimen, which causes a more marked decrease of S_y . This phenomenon is more pronounced the higher the deformation rate. It is concluded that under cold pressing conditions, the deformation rate substantially affects the strength characteristics of aluminum alloys. Orig. art. has: 3 figures.

Card 1/2

UDC: 669.71:620.17

ACC NR: AP6017656

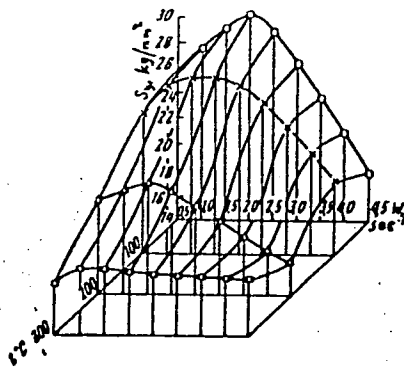


Fig. 1. S_y vs. rate w and temperature t , °C for AD1 alloys

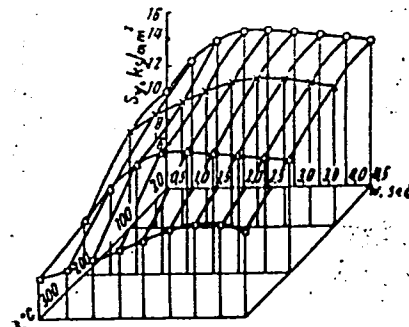


Fig. 2. S_y vs. rate w and temperature t , °C for D1 alloys

SUB CODE: //, /3/ SUBM DATE: none/ ORIG REF: 005

Card 2/2 116

L 32687-66 EWT(m)/EWP(w)/T/EWP(t)/ETI/EWP(k) IJP(c) JD/HW/JH

ACC NR: AP6012730

SOURCE CODE: UR/0136/66/000/004/0076/0077

40
38
B

AUTHOR: Raytberg, L. Kh.

ORG: none

16

27

TITLE: Experience in producing cold-pressed semifinished aluminum alloy products

SOURCE: Tsvetnyye metally, no 4, 1966, pp 76-77

TOPIC TAGS: aluminum alloy, cold forging, metal pressing, metal tube/AD1 aluminum alloy, AMg aluminum alloy, D1 aluminum alloy, A00 aluminum alloy, AV aluminum alloy

ABSTRACT: Cold pressing has the advantage that it dispenses with the need for the subsequent cold working of semifinished aluminum alloy products. In this connection, to determine the types of these products for which cold pressing is the most effective, rods, rectangular tubes and thin-walled irrigation pipe were experimentally cold-pressed in universal 600- and 1500-ton hydraulic presses with the aid of prestressed tools, on using high-molecular fatty alcohols as the lubricant. Finding: it was possible to produce in this manner, from AD1, AMg1 and D1 aluminum alloys, rods of highly precise dimensions, more precise than the dimensions of the normal hot-pressed rods. As for rectangular tubes (A00 aluminum alloy) (28.5x12.6x1.5 mm), the quality of their surface and the precision of their dimensions also were

Card 1/2

UDC: 669.715:621.986

L 32007-00

ACC NR: AP6012730

6 2

satisfactorily high. As for irrigation pipe (AV aluminum alloy), the quality of its surface and its mechanical properties were also satisfactory. What is more, it is possible by means of cold pressing to produce irrigation pipe with wall thickness of as little as 1.5 mm whereas the minimum allowable wall thickness for hot-pressed irrigation pipe is 2-2.5 mm: this means a substantial saving in the cost of irrigation facilities. Further, in theory it is possible to reduce this wall thickness to as little as 1 mm, provided that the pipe is finned to reinforce its strength. Thus, cold pressing is a definitely workable and highly productive technique of manufacturing thin-walled tubes of relatively large diameter with a uniform lengthwise distribution of mechanical properties and acceptable geometric tolerances. Orig. art. has: 2 tables.

SUB CODE: 13, 11

SUBM DATE: none/

Card 2/2 BLG

ACC NR: AP6028590

(N)

SOURCE CODE: UR/0129/66/000/008/0062/0064

AUTHOR: Raytbarg, L. Kh.; Kozlovskaya, V. P.; Babykina, I. M.; Petrov, Ye. A.

4/
6

ORG: none

TITLE: The dependence of the properties of cold-extruded semifinished products made from aluminum alloys on the billet condition

SOURCE: Metallovedeniye i termicheskaya obrabotka metallov, no. 8, 1966, 62-64

TOPIC TAGS: aluminum alloy, extrusion, extruded aluminum, mechanical property, heat treatment, cast structure, annealing, homogenization heat treatment, grain structure, metallographic examination / AD1 aluminum alloy, AV aluminum alloy, AMg aluminum alloy, D1 aluminum alloy

ABSTRACT: Optimal heat treatments were developed for aluminum alloy billets used in making cold-extruded tubes. Alloys AD1, AV, AMg, and D1 were extruded on a mechanical press into tubes having diameters of 15 x 12, 16 x 14, and 16 x 15. The original temperature of 15-20°C increased to 250-350°C after extrusion. Mechanical properties are given for cast, annealed, and homogenized billets and tubes made from each. Cast and previously extruded billets of AD1 and AMg alloys performed identically in tube extrusion; extruded AV alloy billets had better yield strength and reduction in area; and annealed D1 billets had the highest plasticity. Microstructures of cast and ex-

UDC: 620.17:669.716:621.78

Card 1/2

ACC NR: AP6028590

truded D1 billets and the semifinished tubes made from these were shown. The grain structure of tubes made from cast billets was smaller and more uniform, while those made from extruded D1 billets--large grained and elongated. Optimum quenching temperatures for cold extruded AV tubes were 515-520°C. By heating in a circulating-air pit furnace after quenching, the maximum properties were obtained after holding for 10 min; the properties did not improve if the holding time was increased to 30 min. An increase in quenching temperature from 480 to 500°C for alloy D1 resulted in raising the yield strength by 2 kg/mm². Orig. art. has: 1 figure, 2 tables.

SUB CODE: 11,13,20/SUBM DATE: none

Card 2/2 *LL*

GIL'DENGORN, M.S. (Moskva); SHELAMOV, V.A. (Moskva); RAYTBARG, I.M.
(Moskva)

Characteristics and new trends in the manufacture of semi-
finished products of SAP (sintered aluminum powder). Porosh.
met. 5 no.12:16-19 D '65. (MIRA 19:1)

1. Submitted October 29, 1964.

L 21204-66 EWP(e)/EWT(m)/EWP(v)/I/EWP(t)/EWP(k) IJP(c) JD/HM/HH
 ACC NR: AP6001470 (A) SOURCE CODE: UR/0226/65/000/012/0016/0019

AUTHOR: Gil'dengorn, M. S. (Moscow); Shelamov, V. A. (Moscow);
Raytbarg, L. Kh. (Moscow)

54
53
B

ORG: none

TITLE: Peculiarities and new trends in production of half-finished parts from sintered aluminum powder. Report presented at the seventh All Union Conference on powder metallurgy, held 12 to 14 Oct 1964 in Yerevan

SOURCE: Poroshkovaya metallurgiya, no. 12, 1965, 16-19

TOPIC TAGS: sintered aluminum powder, aluminum alloy, argon, arc welding, aluminum plating

ABSTRACT: The authors elaborate on the basic parameters of the technology of obtaining bimetallic tubes from sintered aluminum powder (SAP) material with a plating made of welded aluminum alloy. Constructive units made of such tubes may be joined by contact welding methods along the plating layer. It is shown that sintering SAP at temperatures of 600 to 620C and exposure for 20 to 50 hours (depending on the size of the sintered briquette) yield material with

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L 21204-00

ACC NR: AP6001470

low gas saturation, which does not hinder welding by argon-arc-methods.
Orig. art. has: 3 figures. [Based on author's abstract] [AM]

SUB CODE: 11, 13/ SUBM DATE: 29Oct64/ ORIG REF: 005

Card 2/2 dln

LAKOMSKIY, Viktor Iosifovich; YAVOYSKIY, Vladimir Ivanovich; RAYTBURD, L.,
red.; VELICHKO, N., tekhn.red.

[Gases in cast iron] Gazy v chugunakh. Kiev, Gos.izd-vo
tekhn.lit-ry USSR, 1959. 167 p. (MIRA 12:12)
(Cast iron) (Gases in metals)

KARP, Igor' Nikolayevich; RAYTBURD, L., red.; GUSAROV, K., tekhn.red.

[Firing of open-hearth furnaces with natural gas] Otoplenie
martenovskikh pechey prirodnym gazom. Kiev, Gos.izd-vo tekhn.
lit-ry USSR, 1959. 86 p. (MIRA 13:10)
(Open-hearth furnaces--Equipment and supplies)

CHEKALYUK, Emmanuil Bogdanovich; RAYTBURD, L.L., red.; GUSAROV, K.F.,
tekhn. red.

[Principles of piezometry of oil and gas pools] Osnovy p'ezometrii
zalezhei nefiti i gaza. Kiev, Gostekhnizdat USSR, 1961. 285 p.
(MIRA 15:7)

(Oil reservoir engineering) (Piezometer)

TOVPRIETS, Yemol'yan Semenovich; RAYTBURD, L.L., red.; STARODUB, T.A.,
tekhn. red.

[Heat treatment of rolled products and forgings]Termicheskaja
obrabotka prokata i pokovok. Kiev, Gostekhnizdat USSR, 1962. 155 p.
(MIRA 15:12)

(Rolling (Metalwork)) (Steel forgings—Heat treatment)

BARAMBOYM, Nikolay Konstantinovich; ANOKHIN, Viktor Vasil'yevich; RAYTBURD,
L.L., red.; POSMETUKHIN, N.A., tekhn. red.

[Physics and chemistry of polymer materials of the shoe industry]
Fizika i khimiia polimernykh materialov obuvnogo proizvodstva.
Kiev, Gos. izd-vo tekhn. lit-ry USSR, 1961. 242 p. (MIRA 14:11)
(Shoe industry) (Polymers)

SIGAL, Isaak Yakovlevich; RAYTBURD, L.L., red.; POSMETUKHIN, N.A.,
tekhn. red. ~~RAYTBURD, L.L., red.~~

[Gas burners for boiler systems] Gazogorelochnye ustroistva
kotel'nykh ustanovok. Kiev, Gos. izd-vo tekhn. lit-ry USSR,
1961. 160 p. (MIRA 14:9)
(Gas burners) (Boilers)

KORNILOV, Yuriy Georgiyevich; RAYTBURD, L.L., red.; SYCHUGOV, V.G., tekhn. red.

[Automation and remote control of gas systems] Avtomatizatsiia i tele-
mekhanizatsiia gazovykh sistem. Kiev, Gos. izd-vo tekhn. lit-ry USSR,
1961. 148 p. (MIRA 14:7)

(Gas industry--Equipment and supplies)
(Automation) (Remote control)

GLADUSHKO, Vladimir Ivanovich; RAYTBURD, L., red.; LAGUTIN, I.,
tekhn. red.

[Pyrite roasting in a fluidized bed] Obzhig kolchedana v ki-
piashchem sloe. Kiev, Gos. izd-vo tekhn. lit-ry USSR, 1961.
63 p. (MIRA 15:2)

(Pyrites) (Fluidization)

LAKOMSKIY, Viktor Iosifovich; YAVOYSKIY, Vladimir Ivanovich;
RAYTEBURD, L., red.; GORKAVENKO, L., tekhn.red.

[Gases in cast iron] Gazy v chugunakh. Izd.2. Kiev, Gos.
izd-vo tekhn.lit-ry USSR, 1960. 174 p. (MIRA 13:10)
(Cast iron) (Gases in metals)

KRAVTSOV, Aleksandr Feodos'yevich; ALEKSEYEV, Boris Grigor'yevich;
Prinimali uchastiye: ALUYEV, A.Ye., assistant; YAKOVLEV, K.S.,
laborant. RAYTBURD, L., red.; GORKAVENKO, L., tekhn.red.

[Control and automatization of metallurgical processes;
laboratory work] Kontrol' i avtomatizatsiya metallurgicheskikh
protseessov; laboratornyi praktikum. Kiev, Gos.izd-vo tekhn.
lit-ry USSR. Pt.1. [Control and measuring apparatus] Kontrol'no-
izmeritel'nye pribory. 1959. 201 p. (MIRA 13:4)
(Metallurgical plants--Equipment and supplies)
(Automatic control)

ARNOL'DOV, I.B.M.; GONTA, T.T. [Honta, T.T.]; KALECHITS', V.V.;
MIKHNEKO, O.I.; MEYIN, Ya.M.; MURZIN, O.M.; SAVICH, D.M.;
TOMASHCHUK, V.D.; SHVANSKIY, A.M. [Shvans'kyi, A.M.];
RUKAVISHNIKOVA, A.I., red.; RAYTBURD, L., red.; GORKAVENKO, L.
[Horkavenko, L.], tekhn.red.

[Chemical industry of the Ukraine] Khimichna promyslovist'
Ukrainy. Kyiv, Derzh.vyd-vo tekhn.lit-ry URSR, 1960. 128 p.
(MIRA 13:11)

(Ukraine--Chemical industries)

RAYTBURD, L.
TRISHEVSKIY, Igor' Stefanovich; PANICH, Boris Il'ich; NIKOLAYENKO,
Nikolay Antonovich; RAYTBURD, L., red.; GUSAROV, K.,
tekhn.red.

[Ingots and ingot molds] Slitki i izlozhnitsy. Kiev, Gos.
izd-vo tekhn.lit-ry USSR, 1959. 221 p. (MIRA 12:7)
(Steel ingots)

RAYTBURD, S.M.

Relative spectrophotometry of the star λ Cer. and the determination
of its color temperatures. Trudy GAISH 22:124-132 '53. (MLRA 7:5)
(Stars)

RAYTBURD, TS.M.

Methods for studying the oriented aggregates of clay
minerals using the X-ray diffraction analysis. Rent. min.
syr. no.2:69-74 '62. (MIRA 16:11)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut gidro-
geologii i inzhenernoy geologii Ministerstva geologii i
okhrany neдр SSSR.

RAYTBURD, TS.M.; BRISKINA, Ch.M.

Studying structure formation in plastic flow (extrusion of a layer) of kaolin clay paste by means of the x-ray diffraction analysis. Vop. gidrogeol. i inzh. geol. no.17:108-120 '59.

(MIRA 14:1)

(Clay)

(X-rays—Industrial applications)

RAYTBURD, TS.M.; KUL'CHITSKIY, L.I.

New experimental data on the study of the microaggregates
of clay minerals. Rent. min. syr. no.2:75-80 '62.
(MIRA 16:11)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut gidro-
geologii i inzhenernoy geologii Ministerstva geologii i
okhrany neдр SSSR.

S/081/62/000/023/004/120
B162/B180

AUTHORS: Utkina, Ye. I., Raytburd, Ts. M.

TITLE: Growing penta-erythrite crystals and using them for
monochromatization of X-radiation.

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 23, 1962, 53, abstract
23B372 (Byul. nauchno-tekhn. inform. M-vo geol. i okhrany
nedr SSSR, no. 2 (36), 1962, 70-71)

TEXT: A method has been developed for growing crystals of penta-
erythrite $C_5H_{12}O_4$ on a seed or in suspension. For X-ray monochromatization
pentaerythrite plates, split along the (001) cleavage plane of the crystal
are best. The plane (002) is reflected. An attachment for mounting the
crystals in front of the X-ray tube and checking their qualities is
described. The optimum reflection is obtained from crystals 1 mm thick.
[Abstracter's note: Complete translation.]

Card 1/1

RAYTBURD, Ts. M., Cand Geol-Min Sci -- (diss) "Study of microtexture of clayey rocks by the X-ray structure method." Moscow, 1960. 15 pp; (Ministry of Higher Education, Moscow Order of Lenin and Order of Red Banner State Univ im M. V. Lomonosov, Geology Faculty); 110 copies; price not given; (KL, 17-60, 145)

RAYTBUK, T.S.M.; TSAREVA, A.M.

Distribution of clay minerals according to fractions in sedimentary rocks. Lit. i pol. iskop. no.2:172-174 Mr-Ap '65. (MIRA 18:6)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut gidrogeologii i inzhenerney geologii, Moskva.

SLONIMSKAYA, M.V.; RAYTBURD, TS.M.

Structure of the adsorbed water of kaolinite and montmorillonite.
Dokl. AN SSSR 162 no.1:176-178 My '65. (MIRA 18:5)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut gidrogeologii i
inzhenernoy geologii. Submitted December 19, 1964.

RAYTBURD, TS.M.; SLONIMSKAYA, M.V.

Character of the hydration of exchange cations in argillaceous minerals.
Dokl. AN SSSR 163 no.1:151-154 J1 '65. (MIRA 18:7)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut gidrogeologii i
inzhenernoy geologii. Submitted December 19, 1964.

RAYTBURD, Ts. M., Moscow State University

"Methods of studying oriented aggregates of clay minerals in rentgenostructural analysis"
(Section V)

report to be submitted for the Second Conference on Clay Mineralogy and Petrography,
Prague, Czech., 10-17 May 1961.

RAYTBURD, Ts. M., Moscow State University, and KUL'CHITSKIY, L. I., Moscow

"New experimental data from the study of clay mineral microaggregates"
(Section VIII)

report to be submitted for the Second Conference on Clay Mineralogy and Petrography,
Prague, Czech., 10-17 May 1961.

L 22736-66 EWT(1) CW

ACC NR: AP6002858

SOURCE CODE: UR/0286/65/000/024/0008/0009

AUTHORS: Zel'tsman, P. A.; Raytburg, G. S.; Kulichuk, Yu. R.

ORG: none

TITLE: Mechanism for controlling the clamping levers of oil well devices. Class 5, No. 176843 /announced by Special Construction Bureau of Geophysical Device Construction for Geology of the USSR (Osoboye konstruktorskoye byuro geofizicheskogo priborostroyeniya glavgeologii UkrSSR)

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 24, 1965, 8-9

TOPIC TAGS: well drilling machinery, lever, pressure gage

ABSTRACT: This Author Certificate presents a mechanism for controlling the clamping levers of oil well devices, placed in a hermetically sealed chamber filled with fluid and located inside the drill-hole device. To simplify its construction and decrease the cost of the actuator, the latter is made as a hydraulic multiple action system equipped with a liquid compensator which senses the drill-hole pressure and transmits it through electromagnetically controlled distribution channels to the working piston. The piston rod is attached to the lever system, while the chamber is connected to an unfilled draining reservoir at a lower pressure than the drill-hole pressure. This design assures the return action of the system (see Fig. 1).

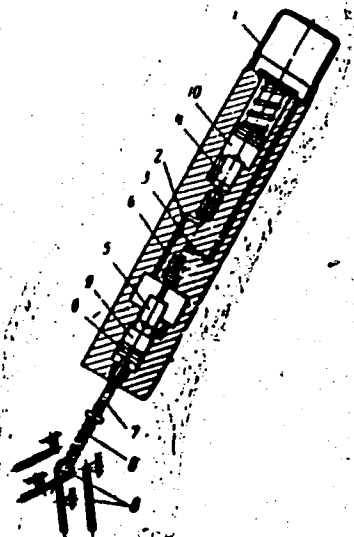
Card 1/2

UDC: 550.839

L 22736-66

ACC NR: AP6002958

Fig. 1. 1 - Liquid compensator; 2 and 3 - distribution channels; 4 and 5 - electromagnetic controls; 6 - piston; 7 - piston rod; 8 - lever system; 9 - piston chamber; 10 - draining chamber.



Orig. art. has: 1 figure.

SUB CODE: 13/ SUBM DATE: 26Mar64

Cord 2/2

RAYTER, I.M.; RUDENKO-GRITSYUK, G.Ye.

New data on the thermal conductivity, temperature conductivity,
and Prandtl numbers of aqueous ethyl alcohol solutions. Trudy
KTIPP no.21:79-84 '59. (MIRA 14:1)

(Ethyl alcohol—Thermal properties)